

Application No.: 10/615,809

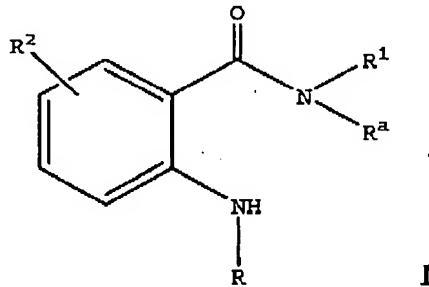
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PENDING CLAIMS

This listing of claims replaces all previous listings and reflects the amendments that were entered after the Final Action:

1. (Previously Presented) A compound of Formula I

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wherein R is

$-(CH_2)_1-R^3$;

wherein R^1 is selected from 1,2-dihydroquinolyl, 1,2,3,4-tetrahydroisoquinolyl, 2,3-dihydro-1H-indolyl, and 1,4-benzodioxanyl; wherein R^1 is unsubstituted or substituted with one or more substituents selected from bromo, chloro, fluoro, iodo, nitro, amino, cyano, aminoethyl, Boc-aminoethyl, hydroxy, oxo, aminosulfonyl, 4-methylpiperazinylsulfonyl, cyclohexyl, phenyl, phenylmethyl, morpholinylmethyl, 1-methylpiperazin-4-ylmethyl, 1-methylpiperazin-4-ylpropyl, morpholinylpropyl, piperidin-1-ylmethyl, 1-methylpiperidin-4-ylmethyl, 2-methyl-2-(1-methylpiperidin-4-yl)ethyl, morpholinylethyl, 1-(4-morpholinyl)-2,2-dimethylpropyl, piperidin-4-ylethyl, 1-Boc-piperidin-4-ylethyl, piperidin-1-ylethyl, 1-Boc-piperidin-4-ylethyl, piperidin-4-ylmethyl, 1-Boc-piperidin-4-ylmethyl, piperidin-4-ylpropyl, 1-Boc-piperidin-4-ylpropyl, piperidin-1-ylpropyl, pyrrolidin-1-ylpropyl, pyrrolidin-2-ylpropyl, 1-Boc-pyrrolidin-2-ylpropyl, pyrrolidin-1-ylmethyl, pyrrolidin-2-ylmethyl, 1-Boc-pyrrolidin-2-ylmethyl, pyrrolidinylpropenyl, pyrrolidinylbutenyl, fluorosulfonyl, methylsulfonyl, methylcarbonyl, Boc, piperidin-1-ylmethylcarbonyl, 4-methylpiperazin-1-ylcarbonylethyl, methoxycarbonyl, aminomethylcarbonyl, dimethylaminomethylcarbonyl, 3-ethoxycarbonyl-2-methyl-fur-5-yl, 4-methylpiperazin-1-yl, 4-methyl-1-piperidyl, 1-Boc-4-piperidyl, piperidin-4-yl, 1-

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methylpiperidin-4-yl, 1-methyl-(1,2,3,6-tetrahydropyridyl), imidazolyl, morpholinyl, 4-trifluoromethyl-1-piperidinyl, hydroxybutyl, methyl, ethyl, propyl, isopropyl, butyl, tert-butyl, sec-butyl, trifluoromethyl, pentafluoroethyl, nonafluorobutyl, dimethylaminopropyl, 1,1-di(trifluoromethyl)-1-hydroxymethyl, 1,1-di(trifluoromethyl)-1-(piperidinylethoxy)methyl, 1,1-di(trifluoromethyl)-1-(methoxyethoxyethoxy)methyl, 1-hydroxyethyl, 2-hydroxyethyl, trifluoromethoxy, 1-aminoethyl, 2-aminoethyl, 1-(N-isopropylamino)ethyl, 2-(N-isopropylamino)ethyl, dimethylaminoethoxy, 4-chlorophenoxy, phenoxy, azetidin-3-ylmethoxy, 1-Boc-azetidin-3-ylmethoxy, pyrrol-2-ylmethoxy, 1-Boc-pyrrol-2-ylmethoxy, pyrrol-1-ylmethoxy, 1-methyl-pyrrol-2-ylmethoxy, 1-isopropyl-pyrrol-2-ylmethoxy, 1-Boc-piperdin-4-ylmethoxy, piperdin-4-ylmethoxy, 1-methylpiperdin-4-yloxy, isopropoxy, methoxy and ethoxy;

wherein R² is one or more substituents independently selected from

H,
halo,
hydroxy,
amino,
C₁₋₆-alkyl,
C₁₋₆-haloalkyl,
C₁₋₆-alkoxy,
C₁₋₂-alkylamino,
aminosulfonyl,
C₃₋₆-cycloalkyl,
cyano,
C₁₋₂-hydroxyalkyl,
nitro,
C₂₋₃-alkenyl,
C₂₋₃-alkynyl,
C₁₋₆-haloalkoxy,
C₁₋₆-carboxyalkyl,
4-6-membered heterocycl-C₁₋₆-alkylamino,
unsubstituted or substituted phenyl and

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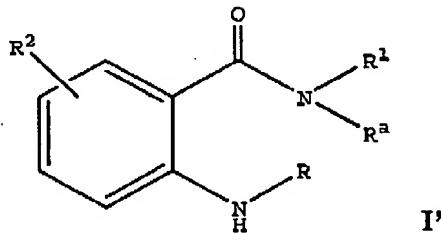
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unsubstituted or substituted 4-6 membered heterocycl1;

wherein R³ is substituted or unsubstituted 5-6 membered heterocycl1; wherein substituted R³ is substituted with one or more substituents independently selected from halo, -OR⁴, -SR⁴, -SO₂R⁴, -CO₂R⁴, -CONR⁴R⁴, -COR⁴, -NR⁴R⁴, -SO₂NR⁴R⁴, -NR⁴C(O)OR⁴, -NR⁴C(O)R⁴, cycloalkyl, optionally substituted 5-6 membered heterocycl1, optionally substituted phenyl, lower alkyl substituted with R², cyano, nitro, lower alkenyl and lower alkynyl; wherein R⁴ is independently selected from H, lower alkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycl1, optionally substituted C₃-C₆ cycloalkyl, phenyl-C₁₋₆-alkyl, optionally substituted 4-6 membered heterocycl1-C₁₋₆-alkyl, and lower haloalkyl;

wherein R⁵ is selected from H, C₁₋₃-alkyl, optionally substituted phenyl, optionally substituted phenyl-C₁₋₃-alkyl, 4-6 membered heterocycl1, optionally substituted 4-6 membered heterocycl1-C₁-C₃-alkyl, C₁₋₃-alkoxy-C₁₋₂-alkyl and C₁₋₃-alkoxy-C₁₋₃-alkoxy-C₁₋₃-alkyl; wherein R^a is selected from H and C₁₋₂-alkyl; and wherein R^b and R^c are independently selected from H and C₁₋₂-haloalkyl; and pharmaceutically acceptable salts thereof.

2. (Previously Presented) A compound of Formula I'



wherein R is

-(CH₂)₁-R³;

wherein R¹ is selected from 1,2-dihydroquinolyl, 1,2,3,4-tetrahydroisoquinolyl, 2,3-dihydro-1H-indolyl, and 1,4-benzodioxanyl; wherein R¹ is unsubstituted or substituted with one or more substituents selected from bromo, chloro, fluoro, iodo, nitro, amino, cyano,

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aminoethyl, Boc-aminoethyl, hydroxy, oxo, aminosulfonyl, 4-methylpiperazinylsulfonyl, cyclohexyl, phenyl, phenylmethyl, morpholinylmethyl, 1-methylpiperazin-4-ylmethyl, 1-methylpiperazin-4-ylpropyl, morpholinylpropyl, piperidin-1-ylmethyl, 1-methylpiperidin-4-ylmethyl, 2-methyl-2-(1-methylpiperidin-4-yl)ethyl, morpholinylethyl, 1-(4-morpholinyl)-2,2-dimethylpropyl, piperidin-4-ylethyl, 1-Boc-piperidin-4-ylethyl, piperidin-1-ylethyl, 1-Boc-piperidin-4-ylethyl, piperidin-4-ylmethyl, 1-Boc-piperidin-4-ylmethyl, piperidin-4-ylpropyl, 1-Boc-piperidin-4-ylpropyl, piperidin-1-ylpropyl, pyrrolidin-1-ylpropyl, pyrrolidin-2-ylpropyl, 1-Boc-pyrrolidin-2-ylpropyl, pyrrolidin-1-ylmethyl, pyrrolidin-2-ylmethyl, 1-Boc-pyrrolidin-2-ylmethyl, pyrrolidinylpropenyl, pyrrolidinylbutenyl, fluorosulfonyl, methylsulfonyl, methylcarbonyl, Boc, piperidin-1-ylmethylcarbonyl, 4-methylpiperazin-1-ylcarbonylethyl, methoxycarbonyl, aminomethylcarbonyl, dimethylaminomethylcarbonyl, 3-ethoxycarbonyl-2-methyl-fur-5-yl, 4-methylpiperazin-1-yl, 4-methyl-1-piperidyl, 1-Boc-4-piperidyl, piperidin-4-yl, 1-methylpiperidin-4-yl, 1-methyl-(1,2,3,6-tetrahydropyridyl), imidazolyl, morpholinyl, 4-trifluoromethyl-1-piperidinyl, hydroxybutyl, methyl, ethyl, propyl, isopropyl, butyl, tert-butyl, sec-butyl, trifluoromethyl, pentafluoroethyl, nonafluorobutyl, dimethylaminopropyl, 1,1-di(trifluoromethyl)-1-hydroxymethyl, 1,1-di(trifluoromethyl)-1-(piperidinylethoxy)methyl, 1,1-di(trifluoromethyl)-1-(methoxyethoxyethoxy)methyl, 1-hydroxyethyl, 2-hydroxyethyl, trifluoromethoxy, 1-aminoethyl, 2-aminoethyl, 1-(N-isopropylamino)ethyl, 2-(N-isopropylamino)ethyl, dimethylaminoethoxy, 4-chlorophenoxy, phenoxy, azetidin-3-ylmethoxy, 1-Boc-azetidin-3-ylmethoxy, pyrrol-2-ylmethoxy, 1-Boc-pyrrol-2-ylmethoxy, pyrrol-1-ylmethoxy, 1-methyl-pyrrol-2-ylmethoxy, 1-isopropyl-pyrrol-2-ylmethoxy, 1-Boc-piperidin-4-ylmethoxy, piperidin-4-ylmethoxy, 1-methylpiperidin-4-yloxy, isopropoxy, methoxy and ethoxy;;

wherein R² is one or more substituents independently selected from

H,
halo,
hydroxy,
amino,
C₁₋₆-alkyl,
C₁₋₆-haloalkyl,

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C₁₋₆-alkoxy,
C₁₋₂-alkylamino,
aminosulfonyl,
C₃₋₆-cycloalkyl,
cyano,
C₁₋₂-hydroxyalkyl,
nitro,
C₂₋₃-alkenyl,
C₂₋₃-alkynyl,
C₁₋₆-haloalkoxy,
C₁₋₆-carboxyalkyl,
4-6-membered heterocycl-C₁₋₆-alkylamino,
unsubstituted or substituted phenyl and
unsubstituted or substituted 4-6 membered heterocycl;

wherein R³ is substituted or unsubstituted 5-6 membered heterocycl; wherein substituted R³ is substituted with one or more substituents independently selected from halo, -OR⁴, -SR⁴, -SO₂R⁴, -CO₂R⁴, -CONR⁴R⁴, -COR⁴, -NR⁴R⁴, -SO₂NR⁴R⁴, -NR⁴C(O)OR⁴, -NR⁴C(O)R⁴, cycloalkyl, optionally substituted 5-6 membered heterocycl, optionally substituted phenyl, lower alkyl substituted with R⁶, cyano, nitro, lower alkenyl and lower alkynyl;

wherein R⁴ is independently selected from H, lower alkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycl, optionally substituted C₃-C₆ cycloalkyl, phenyl-C₁₋₆-alkyl, optionally substituted 4-6 membered heterocycl-C₁₋₆-alkyl, and lower haloalkyl;

wherein R⁵ is selected from H, C₁₋₃-alkyl, optionally substituted phenyl, optionally substituted phenyl-C₁₋₃-alkyl, 4-6 membered heterocycl, optionally substituted 4-6 membered heterocycl-C₁₋₃-alkyl, C₁₋₃-alkoxy-C₁₋₂-alkyl and C₁₋₃-alkoxy-C₁₋₃-alkoxy-C₁₋₃-alkyl;

wherein R⁶ is selected from H, halo, hydroxy, amino, C₁₋₆-alkoxy, C₁₋₂-alkylamino, aminosulfonyl, C₃₋₆-cycloalkyl, cyano, nitro, C₁₋₆-haloalkoxy, carboxy, 4-6-membered heterocycl-C₁₋₆-alkylamino, unsubstituted or substituted phenyl and unsubstituted or substituted 4-6 membered heterocycl;

wherein R⁸ is selected from H and C₁₋₂-alkyl; and

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wherein R^b and R^c are independently selected from H and C₁₋₂-haloalkyl; and pharmaceutically acceptable salts thereof.

3. (Canceled)

4. (Canceled)

5. (Previously Presented) Compound of Claim 2 wherein R¹ is selected from 4,4-dimethyl-1,2,3,4-tetrahydro-isoquinol-7-yl, 2-acetyl-4,4-dimethyl-1,2,3,4-tetrahydro-isoquinol-7-yl, 2,3-dihydro-1H-indolyl, 3,3-dimethyl-2,3-dihydro-1H-indol-6-yl, 1-ethyl-3,3-dimethyl-2,3-dihydro-1H-indol-6-yl, and 1-acetyl-3,3-dimethyl-2,3-dihydro-1H-indol-6-yl; and pharmaceutically acceptable salts thereof.

6. (Previously Presented) Compound of Claim 5 wherein R¹ is 3,3-dimethyl-2,3-dihydro-1H-indol-6-yl; and pharmaceutically acceptable salts thereof.

7. (Previously Presented) Compound of Claim 5 wherein R¹ is 4,4-dimethyl-1,2,3,4-tetrahydro-isoquinol-7-yl; and pharmaceutically acceptable salts thereof.

8. (Canceled)

9. (Canceled).

10. (Previously Presented) Compound of Claim 2 wherein R² is selected from H, chloro, fluoro, bromo, amino, hydroxy, methyl, ethyl, propyl, oxo, dimethylamino, aminosulfonyl, cyclopropyl, cyano, hydroxymethyl, nitro, propenyl, trifluoromethyl, methoxy, ethoxy, trifluoromethoxy, carboxymethyl, morpholinylethylamino, propynyl, unsubstituted or substituted phenyl and unsubstituted or substituted heteroaryl selected from thienyl, furanyl, pyridyl, imidazolyl, and pyrazolyl; and pharmaceutically acceptable salts thereof.

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11. (Previously Presented) Compound of Claim 10 wherein R² is H; and pharmaceutically acceptable salts thereof.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Previously Presented) Compound of Claim 2 wherein R is selected from (4-pyridyl)-CH₂-, (4-pyrimidinyl)-CH₂-, (5-pyrimidinyl)-CH₂-, (6-pyrimidinyl)-CH₂-, (4-pyridazinyl)-CH₂- and (6-pyridazinyl)-CH₂-; wherein R is unsubstituted or substituted with one or more substituents selected from chloro, fluoro, amino, methylamino, hydroxy, methyl, ethyl, propyl, trifluoromethyl, methoxy and ethoxy; and pharmaceutically acceptable salts thereof.

18. (Canceled)

19. (Previously Presented) Compound of Claim 2 wherein R is selected from (4-pyridyl)-CH₂-, (2-methylamino-4-pyrimidinyl)-CH₂-, (4-pyridazinyl)-CH₂-, (2-methoxy-4-pyridyl)-CH₂-, (4-pyridazinyl)-CH₂-, and (2-amino-4-pyrimidinyl)-CH₂-; and pharmaceutically acceptable salts thereof.

20. (Previously Presented) Compound of Claim 2 wherein R³ is selected from unsubstituted or substituted 6-membered nitrogen-containing heteroaryl; and wherein substituted R³ is substituted with one or more substituents independently selected from halo, amino, C₁₋₃-alkoxy, hydroxyl, C₁₋₃-alkyl and C₁₋₂-haloalkyl; and pharmaceutically acceptable salts thereof.

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21. (Canceled).

22. (Canceled).

23. (Previously Presented) Compound of Claim 2 wherein R⁵ is selected from H, piperidinylethyl and methoxyethoxyethyl; wherein R^a is H; and wherein R^b and R^c are independently selected from H and trifluoromethyl; and pharmaceutically acceptable salts thereof.

24. (Previously Presented) Compound of Claim 2 wherein R is (4-pyridyl)-CH₂-; and pharmaceutically acceptable salts thereof.

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled).

29. (Previously Presented) Compound of Claim 2 wherein R² is H or fluoro; and pharmaceutically acceptable salts thereof.

30. (Previously Presented) A Compound of Claim 2 and pharmaceutically acceptable salts thereof selected from

N-(3,3-dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(pyridin-4-ylmethyl)-amino]-benzamide;
N-(1-acetyl-3,3-dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(pyridin-4-ylmethyl)-amino]-benzamide;
N-(4,4-dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[(2-methylamino-pyrimidin-4-ylmethyl)-amino]-benzamide;

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(*R*)-N-(4,4-dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[1-(2-methylamino-pyrimidin-4-yl)-ethylamino]-benzamide;
N-(1-Ethyl-3,3-dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(pyridin-4-ylmethyl)-amino]-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[(2-methoxy-pyridin-4-ylmethyl)-amino]-benzamide;
N-(3,3-Dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(1-oxy-pyridin-4-ylmethyl)-amino]-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-fluoro-6-[(2-methoxy-pyridin-4-ylmethyl)-amino]-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-3-fluoro-6-[(2-methoxy-pyridin-4-ylmethyl)-amino]-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-quinolin-7-yl)-2-[(1H-pyrrolo[2,3-b]pyridin-3-ylmethyl)-amino]-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[(pyridazin-4-ylmethyl)-amino]-benzamide;
2-[1-(2-Amino-pyrimidin-4-yl)-ethylamino]-N-(4,4-dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-benzamide;
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[1-(2-methylamino-pyrimidin-4-yl)-ethylamino]-benzamide; and
N-(4,4-Dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-4-fluoro-6-[(2-methoxy-pyridin-4-ylmethyl)-amino]-benzamide.

31. (Original) Compound of Claim 2, and pharmaceutically acceptable salts thereof, comprising N-(3,3-dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(pyridin-4-ylmethyl)-amino]-benzamide.

32. (Original) Compound of Claim 2, and pharmaceutically acceptable salts thereof, comprising N-(1-acetyl-3,3-dimethyl-2,3-dihydro-1H-indol-6-yl)-2-[(pyridin-4-ylmethyl)-amino]-benzamide.

33. (Canceled)

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34. (Original) Compound of Claim 2, and pharmaceutically acceptable salts thereof, comprising N-(4,4-dimethyl-1,2,3,4-tetrahydro-isoquinolin-7-yl)-2-[(2-methylamino-pyrimidin-4-ylmethyl)-amino]-benzamide.

35. (Canceled).

36. (Original) A pharmaceutical composition comprising a pharmaceutically-acceptable carrier and a compound of Claim 1.

37. (Canceled).

38. (Canceled).

39. (Canceled).

40. (Canceled).

41. (Canceled).

42. (Canceled).

43. (Canceled).

44. (Canceled).

45. (Canceled).